

=> FILE REG

FILE 'REGISTRY' ENTERED AT 16:14:54 ON 27 FEB 2008  
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=> D HIS

L1 FILE 'LREGISTRY' ENTERED AT 15:21:56 ON 27 FEB 2008  
STR

L2 FILE 'REGISTRY' ENTERED AT 15:37:18 ON 27 FEB 2008  
0 S L1

L3 FILE 'LREGISTRY' ENTERED AT 15:37:33 ON 27 FEB 2008  
STR L1

L4 FILE 'REGISTRY' ENTERED AT 15:42:30 ON 27 FEB 2008  
0 S L3

L5 FILE 'HCAPLUS' ENTERED AT 15:44:17 ON 27 FEB 2008  
277 S KRAFT P?/AU  
L6 5456 S PERFUME?/TI  
L7 7 S L5 AND L6  
SEL L7 1 RN

L8 FILE 'REGISTRY' ENTERED AT 15:45:28 ON 27 FEB 2008  
18 S E1-E18  
L9 7 S L3 FUL  
SAV L9 MRU426/A

L10 FILE 'CAOLD' ENTERED AT 15:48:46 ON 27 FEB 2008  
0 S L9

L11 FILE 'ZCAPLUS' ENTERED AT 15:48:47 ON 27 FEB 2008  
2 S L9

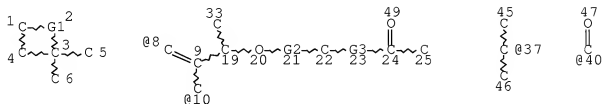
L12 FILE 'BEILSTEIN' ENTERED AT 15:48:55 ON 27 FEB 2008  
0 S L3  
L13 4 S L3 FUL  
L14 3092 S KRAFT ?/AU  
L15 0 S L13 NOT L14

L16 FILE 'MARPAT' ENTERED AT 15:50:52 ON 27 FEB 2008  
0 S L9

L17 3 S L9 FUL  
 SAV L17 MRU426A/A  
 L18 1 S L17/COMPLETE

FILE 'REGISTRY' ENTERED AT 16:14:54 ON 27 FEB 2008

=> D L9 QUE STAT  
 L3 STR



VAR G1=8-1 10-3/8-3 10-1

VAR G2=37/40

VAR G3=O/C

NODE ATTRIBUTES:

NSPEC IS RC AT 5

NSPEC IS RC AT 6

NSPEC IS RC AT 25

NSPEC IS RC AT 33

NSPEC IS RC AT 45

NSPEC IS RC AT 46

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

L9 7 SEA FILE=REGISTRY SSS FUL L3

100.0% PROCESSED 35185 ITERATIONS

7 ANSWERS

SEARCH TIME: 00.00.01

=> FILE ZCAPLUS

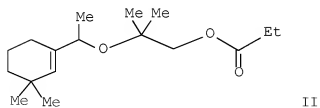
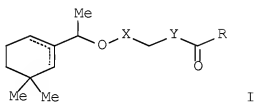
FILE 'ZCAPLUS' ENTERED AT 16:15:07 ON 27 FEB 2008  
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=> D L11 1-2 BIB ABS HITSTR HITRN

L11 ANSWER 1 OF 2 ZCAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2004:490812 ZCAPLUS Full-text  
 DN 141:38376  
 TI Preparation of unsatd. alicyclic carbonyl compounds and their use in  
 perfumery  
 IN Kraft, Philip  
 PA Givaudan S. A., Switz.  
 SO PCT Int. Appl., 17 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
	-----	---	-----	-----		
PI	WO 2004050602	A1	20040617	WO 2003-CH772	200311 24	
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU	2003280274	A1	20040623	AU 2003-280274	200311 24	
EP	1565426	A1	20050824	EP 2003-770839	200311 24	
EP	1565426	B1	20061025			
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,					

SK					
CN 1705631	A	20051207	CN 2003-80101873		20031124
JP 2006508153	T	20060309	JP 2004-555943		20031124
AT 343560	T	20061115	AT 2003-770839		20031124
ES 2274281	T3	20070516	ES 2003-770839		20031124
US 2006046955	A1	20060302	US 2005-534426		20050510
MX 2005PA05488	A	20050725	MX 2005-PA5488		20050523
IN 2005CN01040	A	20070427	IN 2005-CN1040		20050526
PRAI GB 2002-27807	A	20021129			
WO 2003-CH772	W	20031124			
OS MARPAT 141:38376					
GI					



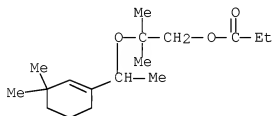
AB The unsatd. alicyclic carbonyl compds. I (R = C1-C4 alkyl, vinyl, linear, branched or cyclic C3-C4 alkenyl; X = carbonyl or a divalent radical -(CMe2)-; Y = O or a divalent radical -(CH2)- ) were prepd. as perfumes. Thus, 1-(3,3-dimethylcyclohex-1-enyl)ethanone was reduced with LiAlH4 followed by reaction with isobutylene oxide and the esterification with propionic acid to give propionic acid 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]-2-methylpropyl ester (II). II was used in a perfume compn.

IT 676532-37-9P 676532-38-0P 676532-40-4P  
704879-81-2P 704879-82-3P 704879-83-4P

(prepn. of 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]-2-methylpropyl and 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]carbonylmethyl esters and their use in perfumery)

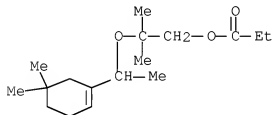
RN 676532-37-9 ZCAPLUS

CN 1-Propanol, 2-[1-(3,3-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methyl-, propanoate (9CI) (CA INDEX NAME)



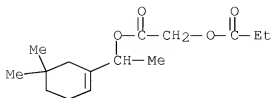
RN 676532-38-0 ZCAPLUS

CN 1-Propanol, 2-[1-(5,5-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methyl-, propanoate (9CI) (CA INDEX NAME)



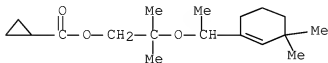
RN 676532-40-4 ZCAPLUS

CN Acetic acid, (1-oxopropoxy)-, 1-(5,5-dimethyl-1-cyclohexen-1-yl)ethyl ester (9CI) (CA INDEX NAME)



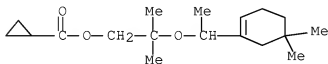
RN 704879-81-2 ZCAPLUS

CN Cyclopropanecarboxylic acid, 2-[1-(3,3-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methylpropyl ester (CA INDEX NAME)



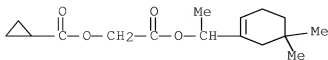
RN 704879-82-3 ZCAPLUS

CN Cyclopropanecarboxylic acid, 2-[1-(5,5-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methylpropyl ester (CA INDEX NAME)



RN 704879-83-4 ZCAPLUS

CN Cyclopropanecarboxylic acid, 2-[1-(5,5-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-oxoethyl ester (CA INDEX NAME)



IT 676532-37-9P 676532-38-0P 676532-40-4P  
704879-81-2P 704879-82-3P 704879-83-4P

(prepn. of 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]-2-methylpropyl and 2-[1-(3,3-dimethylcyclohex-1-enyl)ethoxy]carbonylmethyl esters and their use in perfumery)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 2 ZCAPLUS COPYRIGHT 2008 ACS on STN

AN 2004:94050 ZCAPLUS Full-text

DN 140:303456

TI Synthesis and odor of aliphatic musks: Discovery of a new class of odorants

AU Kraft, Philip; Eichenberger, Walter

CS Fragrance Research, Givaudan Schweiz AG, Duebendorf, 8600, Switz.

SO European Journal of Organic Chemistry (2004), (2), 354-365

CODEN: EJOCFK; ISSN: 1434-193X

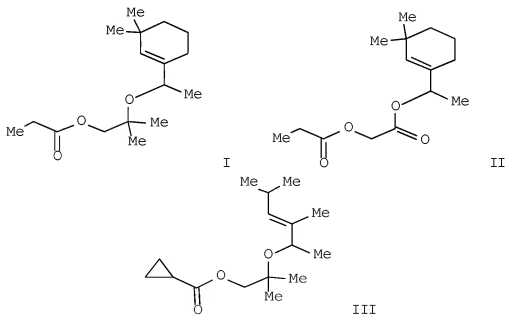
PB Wiley-VCH Verlag GmbH & Co. KGaA

DT Journal

LA English

OS CASREACT 140:303456

GI



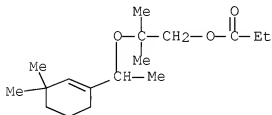
AB To find new aliph. musks, the propionates of 2-[1'-(3'',3''-dimethylcyclohex-1''-enyl)ethoxy]-2-methylpropanol, 2-[1'-(5'',5''-dimethylcyclohex-1''-enyl)ethoxy]-2-methylpropanol, hydroxyacetic acid 1-(3',3'-dimethylcyclohex-1'-enyl)ethyl ester, and hydroxyacetic acid 1-(5',5'-dimethylcyclohex-1'-enyl)ethyl ester were synthesized starting from 1-(3',3'-dimethylcyclohex-1'-enyl)ethanone and 1-ethynyl-3,3-dimethylcyclohexanol. The 3,3-dimethylcyclohexenyl derivs. I (odor threshold 0.2 ng/air) and II (odor threshold 0.6 ng/air) are superior musk odorants, and, thus, 1,2,4-trimethylpent-2-enyloxy analogs were synthesized as seco versions. The synthesis of the esters commenced with a Wittig-Horner-Emmons reaction of isobutyric aldehyde, followed by sapon., alkylation with methylolithium, LAH redn., etherification with isobutylene oxide, and Steglich esterification. (2''E)-2'-Methyl-2'-(1'',2'',4''-trimethylpent-2''-enyloxy)propyl cyclopropanecarboxylate, (2''E)-III, which has a powerful and sweet musk odor and slightly fruity nuances, was found to be a typical representative of this new class of musk odorants, was subjected to conformational anal. In addn., the synthesis and olfactory properties of the related ketones, the 2-methyl-2-(1',4'- trimethylpent-2'-enyloxy)propyl esters, and the 2-(1',4'- dimethylpent-2'-enyloxy)-2-methylpropyl esters is reported.

II 676532-37-9P 676532-38-0P 676532-39-1P  
676532-40-4P

(synthesis, odor, and conformational anal. of aliph. musks prepd. from cyclohexanols or hexanols via Wittig-Horner-Emmons and Steglich esterifications)

RN 676532-37-9 ZCAPLUS

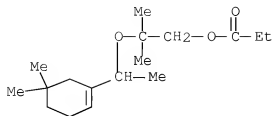
CN 1-Propanol, 2-[1-(3,3-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methyl-, propanoate (9CI) (CA INDEX NAME)



RN 676532-38-0 ZCAPLUS

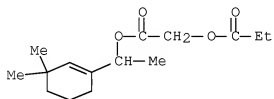
CN 1-Propanol, 2-[1-(5,5-dimethyl-1-cyclohexen-1-yl)ethoxy]-2-methyl-, propanoate (9CI) (CA INDEX NAME)





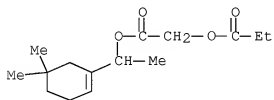
RN 676532-39-1 ZCAPLUS

CN Acetic acid, (1-oxopropoxy)-, 1-(3,3-dimethyl-1-cyclohexen-1-yl)ethyl ester (9CI) (CA INDEX NAME)



RN 676532-40-4 ZCAPLUS

CN Acetic acid, (1-oxopropoxy)-, 1-(5,5-dimethyl-1-cyclohexen-1-yl)ethyl ester (9CI) (CA INDEX NAME)



IT 676532-37-9P 676532-38-9P 676532-39-1P

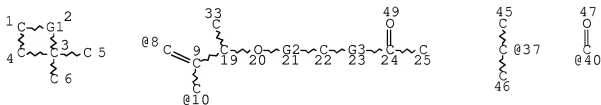
676532-40-4P

(synthesis, odor, and conformational anal. of aliph. musks prepd. from cyclohexanols or hexanols via Wittig-Horner-Emmons and Steglich esterifications)

FILE 'BEILSTEIN' ENTERED AT 16:15:55 ON 27 FEB 2008  
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FILE COVERS 1771 TO 2007.

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=> D L13 QUE STAT
L3 STR
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VAR G2=37/40

NODE ATTRIBUTES:

NSPEC	IS	RC	AT	6
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NSPEC IS RC AT 33

NSPEC IS RC AT 45

NSPEC IS RC AT 46

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 23

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L13          4 SEA FILE=BEILSTEIN SSS FUL L3
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4 ANSWERS

FILE 'MARPAT' ENTERED AT 16:16:29 ON 27 FEB 2008  
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FILE CONTENT: 1961-PRESENT VOL 148 ISS 7 (20080222/ED)

The chemical structure of the poly(arylether ether ketone) (PAEK) polymer is shown, consisting of a main chain with various substituents labeled with numbers 1 through 47. The main chain includes a central benzene ring (labeled 1, 2, 3, 4, 5, 6) and a ketone group (labeled 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47). The substituents include a phenyl group (labeled 1, 2, 3, 4, 5, 6), a ketone group (labeled 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47), and a phenyl group (labeled 1, 2, 3, 4, 5, 6).

DEFAULT ECLEVEL IS LIMITED

NUMBER OF NODES IS 23

L17 3 SEA FILE=MARPAT SSS FUL L3

100.0% PROCESSED 125394 ITERATIONS ( 2 INCOMPLETE) 3 ANSWERS  
SEARCH TIME: 00.08.34

=> D L18 1 TI AU

L18 ANSWER 1 OF 1 MARPAT COPYRIGHT 2008 ACS on STN  
TI Preparation of unsatd. alicyclic carbonyl compounds and their use in  
perfumery  
IN Kraft, Philip